prostate cancer

managment

Radical prostatectomy

- complication
  - 14-41% +ve margins
  - 2-18% incontinence
  - 30-100% erectile dys.
  - <1% mortality
- life exp. >15y
- localized

watchful waiting

- >70 Yo
- low stage
- life exp. <10y

Endocrine

- surgical castration
- Medical
  - estrogen
  - LHRH
  - and. blockade
    - pure
    - steroidal
  - maximal and. blockade
    - combine 2

radiation

- confrontal
- interstitial

screening

- DRE
- PSA
  - N<4ng/ml
  - density
    - PSA/prostate vl.
    - <20
      - suspecious
  - free/total

Diagnosis

- clinical
  - symp.
  - DRE
  - TRUS
    - wiz psa +ve
      - +ve >60%
- image
  - CT
  - MRI
    - bone pain
  - b-XR
    - ↑ALph
    - PSA
      - >10
      - >2 after surgery
  - LNgraphy
- lab.
  - histopath.
  - Markers

staging

- incidental
  - A1
    - T1a
      - <5%
  - A2
    - T1b
      - >5%
    - T1c
      - by needle biop.
- organ confined
  - B1
    - T2a
      - <half lobe
  - B2
    - T2b
      - >half lobe< both
  - B3
    - T2c
      - both lobes
- locally invasive
  - C1
    - T3a
      - uni. extracapsular
    - T3b
      - bi. extracapsular
  - C2
    - T3c
      - seminal vesicle
    - T4
      - adjacent structure
- disseminated
  - D1
    - N+
  - D2
    - M+
  - D3
    - resistant to hormone th.

gleason score

- 2-4 well
- 5-6 moderate
- 7 controverse.
- 8-10 poorly